

OKK

5 axis control Vertical Machining Center

VC-X5000



Effective for Highly-efficient
Intensive Processing of Dies
and parts that are more
Complex or more detailed
and complicated

Highest-level space saving and loadable workpieces size among the same-class machines

Large workpieces can be handle even though the required floor space is as small as

3300×2450mm (12.92"×96.46")

(60% up graded workpieces size compare with current model VP600-5AX)

Improved accessibility

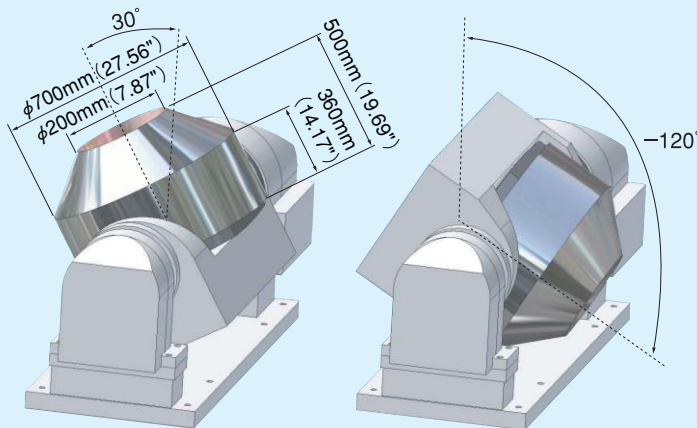
Distance of front cover to table center

620mm (24.41")

Distance of front cover to spindle center

120mm (4.72")

Mass of maximum load loadable on table



Increased high feed rigidity

Upgraded linear guides and ball screws
Increased rigidity which is standard within the VC-X series

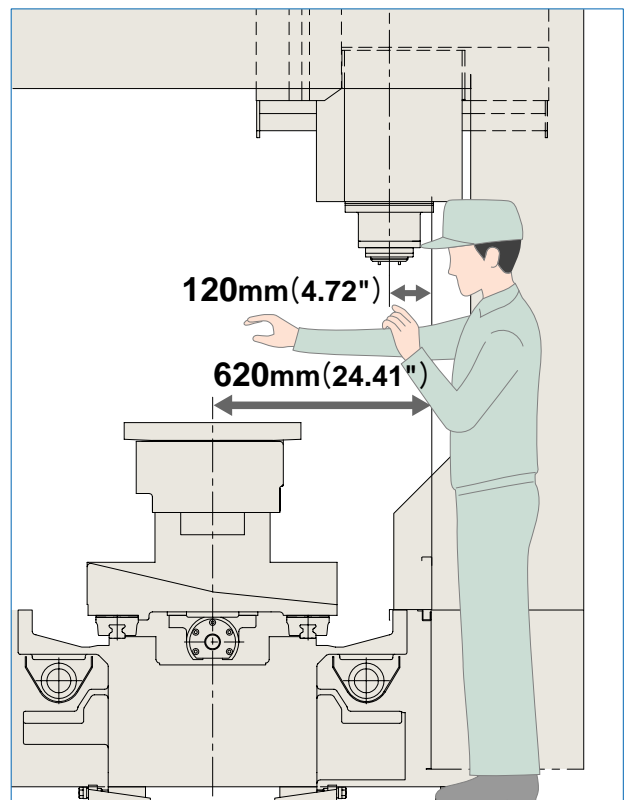
LM guide size

20% up-grade

Ball screw diameter

36% up-grade

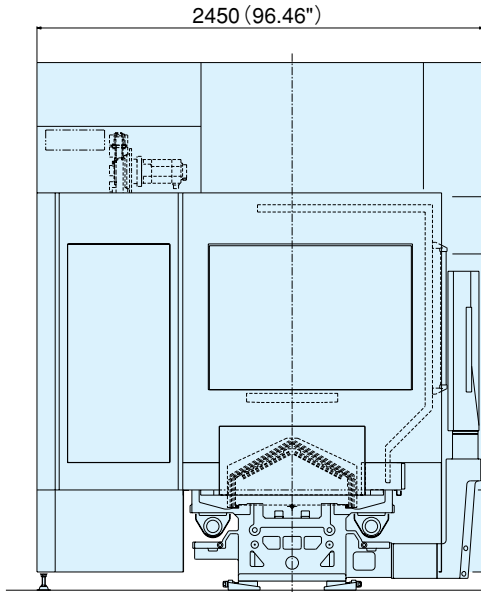
(compare with VP600-5AX)



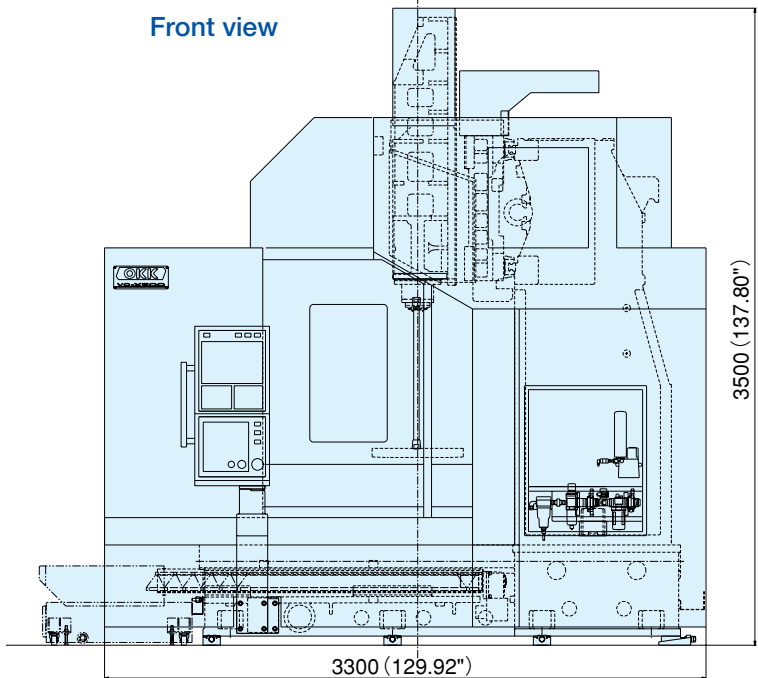
Main Specifications

Item	Specifications	Item	Specifications
Travel on X axis (Table : right / left)	mm 700 (27.56")	Rapid traverse rate	m/min XY:48 (1889.7ipm) Z:32 (1259.84ipm) min ⁻¹ A:20 C:50
Travel on Y axis (Saddle : back / forth)	mm 850 (33.46")	Tool shank (nominal number)	JIS B 6339 BT40 (Two-face locking BT type)
Travel on Z axis (Spindle head : up / down)	mm 610 (24.02")	Pull stud (nominal number)	MAS I
Travel on A axis (Table tilting)	deg -120 ~ +30	Number of stored tools	tools 40
Travel on C axis (Table tilting)	deg 360	Maximum tool diameter (with adjacent tools)	mm 82 (3.23")
Distance to the table top surface to spindle nose	mm 150~760 (5.91"~29.92")	Maximum tool length (from the gauge line)	mm 350 (13.78")
Table (pallet) work surface area (X-axis direction × Y-axis direction)	mm 500×500 (19.69"×19.69")	Tool selection method	Address fixing method
Max. workpiece weight loadable on table (pallet)	kg 500 (1102.2 lbs)	For spindle (30-min rating/continuous rating)	kW 22 / 18.5 (30 / 25 Hp)
Distance to the table work surface from the floor	mm 1080 (42.52")	Controller	N750 F31i-B5
Spindle speed	min ⁻¹ 100~12000	Machine height (From the floor surface)	mm 3500 (137.80")
Spindle nose (nominal number)	7/24-taper, No.40	Required floor space (width x depth)	mm 3300 × 2450 (129.92"×96.46")
Spindle bearing bore diameter	mm φ65 (2.56")		

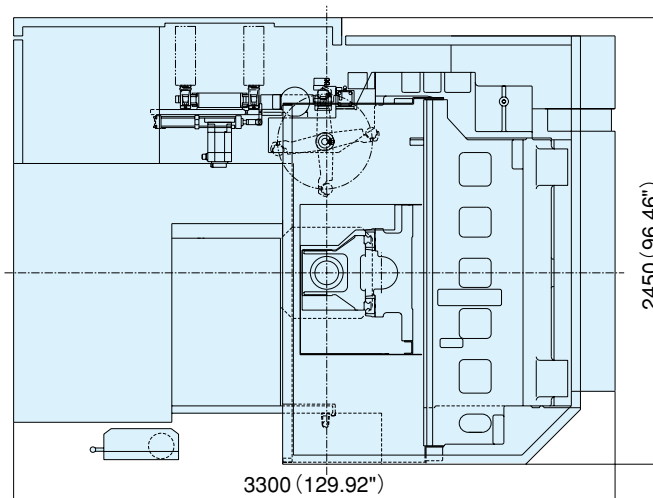
Side view



Front view



Floor space



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